

METHYL IODIDE - RECENT FIELD RESULTS.

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We have identified a single chemical, drop in replacement for methyl bromide(1-7). That chemical is methyl iodide. If methyl bromide is phased out on schedule on January 1, 2001, methyl iodide is the chemical that has been proposed that has the same or better activity against fungi, bacteria, and nematodes as does methyl bromide. All of the other alternatives fall short of having the broad spectrum of activity of methyl bromide and methyl iodide. Commercial development of methyl iodide as a fumigant will depend on registration and cost just as any other pesticide. Our studies have been concerned with efficacy of methyl iodide.

Preliminary results of field trials on several different crops will be presented. These include : pepper, rose replant, melon, and gladiolas. We have seen comparable results with methyl bromide and methyl iodide on these crops. No phytotoxicity has been observed with the use of methyl iodide.

We have also been carrying out lab scale work on the compound propargyl bromide and will report preliminary data. This compound has recently been resurrected from among the scores of compounds tested by Dow in the 50's.

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